



Het Denkersprogramma KVAB

<http://www.kvab.be/denkersprogramma/default-dp.aspx>

Terms of reference

*The thinkers programme is a unique multidisciplinary and forward looking initiative with a high-level societal impact. With and around a prominent international expert and jointly with members of the Academy and numerous partners and stakeholders, work is performed around **an important timely theme on which Flanders can have an impact.***

*The aim is **to provide a significant contribution to the further strategic development of Flanders** by developing a long term vision and in this way to contribute to governance.*

The doctoral space at Flemish and European universities, 15 years after Bologna.

... *mission accomplished?*

... ***an important timely theme on which Flanders can have an impact***

To what extent is today's higher education in Flanders and Europe – in its societal mission – truly meeting the expectations raised 15 years ago?

Has *Bologna* - in general terms – met the expectations?

Has the *ERA*, e.g. with its planned *mobility of researchers truly* taken shape?

... ***to provide a significant contribution to the further strategic development of Flanders***

Is our *doctoral incubation space*, pivotal between higher education and the highest positions in society, optimally preparing young scientists for top performance in science and entrepreneurship - *in a sustainable way*?

Are we fully utilizing in Flanders concrete *ideas and opportunities* from broader Europe?
Where are the possible problems?

The *Doctoral Space*: late MSc + **PhD** + *early Postdoc phase*

- Basement: the Bologna-tailored BaMa
- Pivotal between higher education and the highest positions in society
- The incubation space, crucial to optimally prepare young scientists for top performance in science and entrepreneurship

- *in a sustainable way*



Time and space for

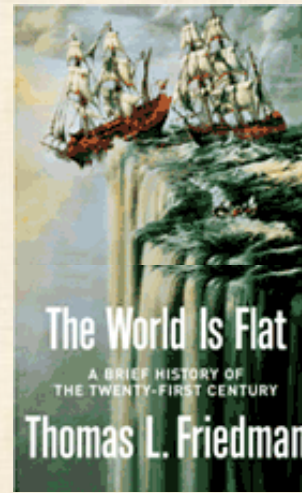
- creativity
- personality building
- developing research skills
- failing and rebounding
- mobility to the professional world
- international mobility
- autonomy



1492: Columbus sets sail, opening trade between the Old World and the New World

Globalization 1.0

Driver: how much horse/gun power your country had, and how creatively you could deploy it.
Countries and Governments were knitting the world together.



Driver: **individuals** empowered to collaborate and compete globally

Society is changing

Globalization 3.0

The Rise of the Mosquitoes

1800:
Industrial
Revolution

Globalization 2.0

Driver: **multinationals**, went global for markets and labour

2000
ICT Revolution

Sorbonne
1999

WWW

Bologna

ERA ?

2015



"We have gone from a vertical chain of command for value creation to a much more horizontal chain of command"

Carly Fiorina, CEO HP

"Internet and fiber optics have flipped the playing field from largely topdown to networking and collaborating horizontally, thus levelling the World"

Th. Friedman, 2005

KVAB 2016 Thinker



Prof. Dr. Maria Helena Nazaré

Physicist, University of Lisbon, PhD, King's College London

Leader of the Research Group in Spectroscopy of Semiconductors, University of Aveiro

Rector of the University of Aveiro 2002-2010

Board member of the Portuguese telecom company 2008-2015

Member of the National Education Council in Portugal 2009-2012, reporting directly to the
Parliament - Chair of the Higher Education Commission

President of the European University Association (EUA) 2012 - 2015

Roadmap Thinker's Programme

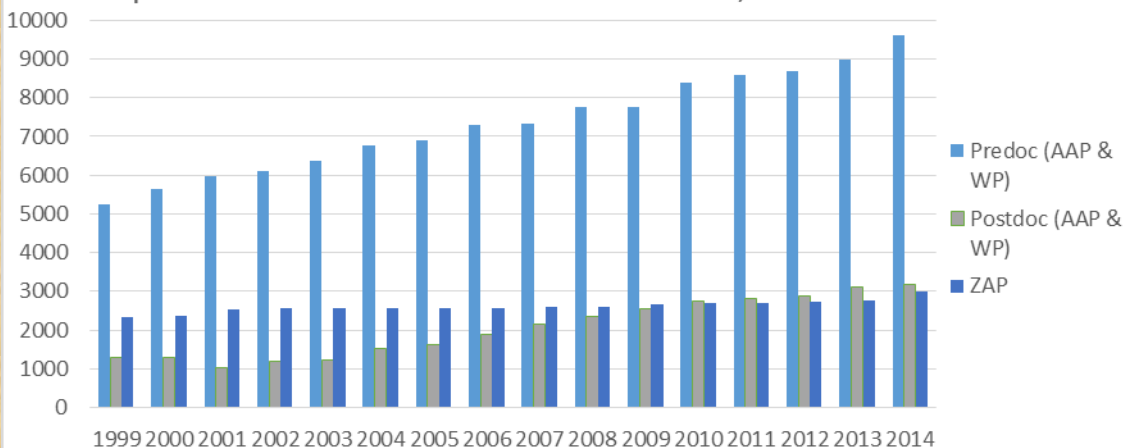
- Fact Finding: three stays of 8-10 days, April, May, June 2016
- Round Tables: September 2016
- International Conference: 7 November 2016



Prof. Dr. Helena Nazaré, Brussels, November 7th, 2016

Most countries have invested in research, both fundamental and applied, financed by public and private sources and promoted the growth of the number of doctorate holders with the expectation that they would work outside academia and have a strong impact on innovation and wealth creation. However, the policies implemented focused on the supply side rather than on the demand. One supposes that the expectation was/is to create demand once the impact of highly qualified human capital was truly realised and valued.

Evolution of the number of junior researchers, postdoctoral researchers and ZAP in FTE, 1999-2014



The Flanders “postdoc community” 2014 (5 univers.):

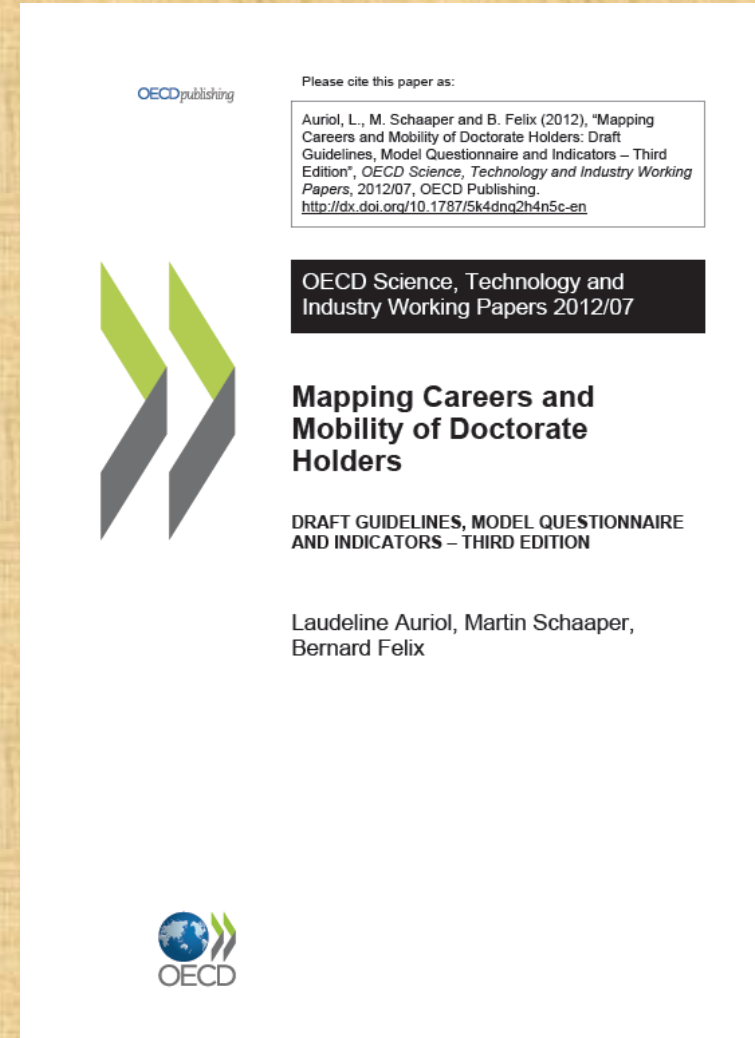
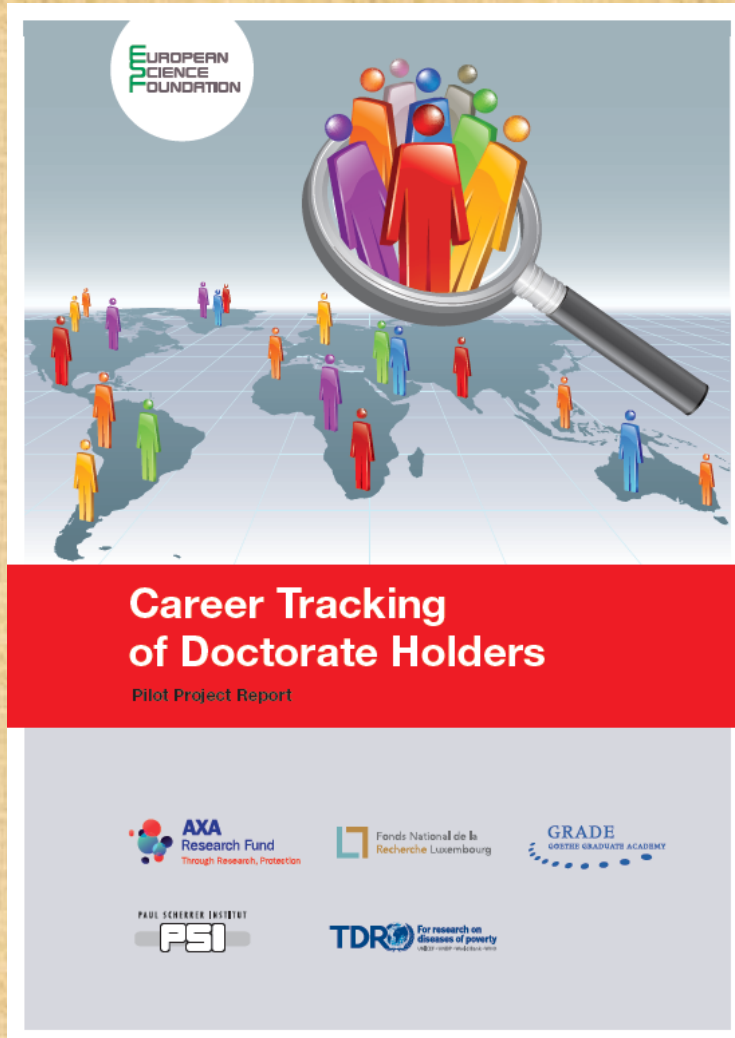
> 3000 (> ZAP!) (>9000 PhD)

2004: 1500 (>6000 PhD)

2001: 1000 (6000 PhD)

Europe: 850 PhD-producing universities!

Career Tracking in Europe ESF – OECD 2013



- Tracking: the whole postdoc population, or only those who want to come on radar?
- A “registration” (subscribe/uns.) (at European level?) of Independent Researchers ?
- From “ZAP” to Zelfstandige Onderzoekers, Zelfstandige Onderzoekers/Lectoren ?

OCTOBER 2016



Postdoctoral Funding Schemes
in Europe

SURVEY REPORT



Panel 1
Dr. Sébastien Huber
Senior Policy Officer
SCIENCE EUROPE

Survey 2015
on Intersectoral Mobility

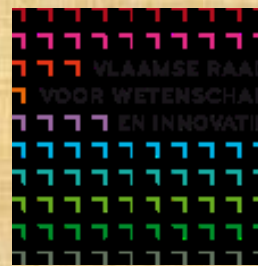
Science Europe Working Group
on Research Careers

1st Part

Annalisa Montesanti, PhD
Health Research Board, Ireland

SCIENCE EUROPE 1.26-10-2016

From Data Gathering to Policy Advice in Flanders



Vlaamse Raad
voor Wetenschap
en Innovatie



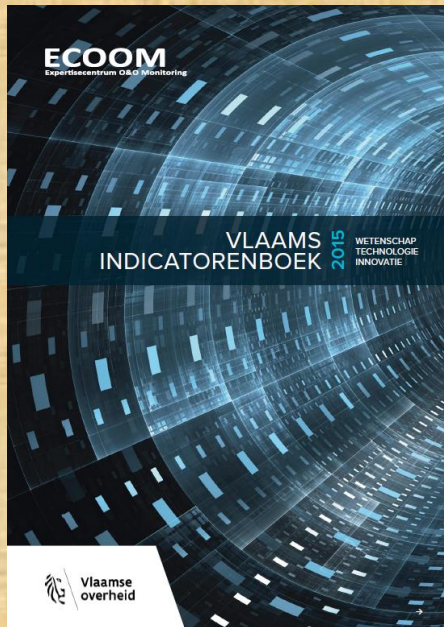
Panels 1 - 3
Dr. Karen Vandeveldde
UGent, Senior Policy Advisor
to Research
ECOOM, Policy Advisor



Panel 3
Dr. Elie Ratinckx
VRWI



Prof. Dr.
Frederik Anseel
UGent – ECOOM
Steering Group TP



Panels 2 – 3

- To what extent are **Flanders and Europe prepared to fully capture** the vast pool of potential represented by the present generation of doctoral degree holders and use it to build a strong and cohesive society empowered by knowledge?
- To what extent can universities, institutional stakeholders and the private sector still better contribute to **prepare and coach** the present generation of doctoral degree holders **in their empowerment** to contribute to a strong and cohesive society driven by knowledge?

